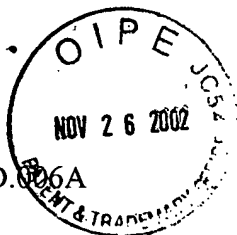


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Amtd
12/4/02
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Altboum et al.

Appl. No. : 09/839,894

Filed : April 20, 2001

For : ISOLATION AND
CHARACTERIZATION OF THE
CSA OPERON (ETEC-CS4 PILI)
AND METHODS OF USING
SAME

Examiner : Z. Lucas

) Group Art Unit 1648

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) 22202, on

November 20, 2002

(Date)

James J. Mullen III, Ph.D., Reg. No. 44,957

AMENDMENT

United States Patent and Trademark Office
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Arlington, VA 22202

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TECH CENTER 1600/2900

Dear Sir:

In response to the Office Action mailed July 30, 2002, Applicants respectfully submit the following amendments and comments in connection with the above-captioned application.

IN THE SPECIFICATION:

Please amend the paragraph starting at page 5, line 28 as follows:

a1
The disclosed invention relates to compositions and methods of using *csa* operon products and the nucleotide and amino acid sequences encoded thereby. One embodiment relates to an immunogenic composition comprising a recombinant product of a *csa* operon and a carrier. Various aspects of this embodiment relate to compositions in which the recombinant product of the *csa* operon is CsaA, CsaB, CsaC, CsaD, CsaE, or a product that is at least 95% homologous to any one of these *csa* operon products. Additionally, the recombinant product of the *csa* operon can comprise the *csa* operon itself.